

WHAT IS CLAIMED IS:

1. A pesticide composition comprising:
  - (a) a pesticide; and
  - (b) an assimilable carbon-skeleton energy component.
2. The pesticide of Claim 1, wherein said pesticide is a non-naturally occurring pesticide.
3. The pesticide of Claim 2, wherein said pesticide is a small molecule pesticide.
4. The pesticide composition of Claim 3, wherein said pesticide is chosen from: sodium aluminofluorides, propiconazoles, mancozebs, maneb, ziram, chlorothalonil, copper hydroxides, myclobutanil, fenbuconazole, captan, carbaryl, cartap, carbofuran, tebufenozide, dicofol, dinocap, propanil, oxyfluorfen, chlorinated nitriles, triazoles, aralkyl triazoles, triazole anilides, benzamides, alkyl benzamides, diphenyl ethers, pyridine carboxylic acids, chloroanilines, organophosphates, organosulfurs, carbamates, botanicals, synthetic pyrethroids, antibiotics, inorganic compounds, EBDT, dicarboximide, benzimidazoles, phenylamines, imides, strobilurins, phosphonic glycine salt, and mixtures thereof.
5. The pesticide composition of Claim 1, wherein said pesticide is from about 0.01 % to about 15 % w/w of said composition.
6. The pesticide composition of Claim 1, wherein said assimilable carbon-skeleton-energy component is present in a pesticide phytotoxicity-reducing amount.
7. The pesticide composition of Claim 6, wherein said assimilable carbon-skeleton-energy component is from about 0.1 % to about 20 % w/w of said composition.

8. The pesticide composition of Claim 1, wherein said assimilable carbon-skeleton-energy component is chosen from: molasses, whey, corn steep liquor, grape syrup, maple syrup, corn syrup, etc; sucrose, fructose, glucose, lactose, galactose, dextrose, maltose, raffinose, ribose, ribulose, xylulose, xylose, amylose, arabinose, etc.; sugar phosphates, e.g. fucose-P, galactose-P, glucose-P, lactose-P, maltose-P, mannose-P, ribose-P, ribulose-P, xylose-P, xylulose-P, adonitol, sorbitol, mannitol, maltitol, ribitol, galactitol, glucitol, gluccuronic acid, alpha ketoglutaric acid, galactonic acid, glucaric acid, gluconic acid, pyruvic acid, polygalacturonic acid, citric acid, succinic acid, malic acid, isocitric acid, folic acid, adenosine, adenosine-P, uridine, uridine-P, thymine, thymine-P, cytosine, cytosine-P, guanine, guanine-P, glycine, alanine, leucine, isoleucine, asparagine, tyrosine, phenylalanine, serine, cysteine, valine, proline, methionine, glutamine, threonine, lysine, aspartic acid, glutamic acid, arginine, and combinations thereof.

9. The pesticide composition of Claim 1, further comprising a macronutrient component.

10. The pesticide composition of Claim 9, wherein said macronutrient component is from about 0.0001 % to about 0.5 % w/w of said composition.

11. The pesticide composition of Claim 9, wherein said macronutrient is chosen from N, P, K, Ca, Mg, S, Cl, Na, C, H, O, and combinations thereof.

12. The pesticide composition of Claim 1, further comprising a micronutrient component.

13. The pesticide composition of Claim 12, wherein said micronutrient component is from about 0.00000001 % to about 0.1 % w/w of said composition.

14. The pesticide composition of Claim 12, wherein said micronutrient is chosen from Zn, Fe, Mn, Cu, B, Mo, Co, and combinations thereof.

15. The pesticide composition of Claim 1, further comprising a vitamin/cofactor component.
16. The pesticide composition of Claim 15, wherein said vitamin/cofactor component is from about 0.0000001 % to about 0.1 % w/w of said composition.
17. The pesticide composition of Claim 15, wherein said vitamin/cofactor component is chosen from yeast extract, yeast, thiamine pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, PABA, nicotinic acid, folic acid and combinations thereof
18. The pesticide composition of Claim 1, further comprising a complexing agent.
19. The pesticide composition of Claim 18, wherein said complexing agent is from about 0.01 % to about 30 % w/w of said composition.
20. The pesticide composition of Claim 18, wherein said complexing agent is chosen from: citric acid, lignosulfates, fulvic acid, ulmic acid, polyhydroxy organic acid, EDTA, EDDA, EDDHA, HEDTA, CDTA, DTPA, NTA, and combinations thereof.
21. A method of preparing a pesticide composition for administration to a plant comprising combining an assimilable carbon energy component with a pesticide in a manner sufficient to provide an assimilable carbon energy component/pesticide composition.
22. The method of Claim 21, wherein said combining is performed within about 0.01 hour to about 10 hours of use.
23. The method of Claim 21, wherein said pesticide is from about 0.01 % to about 15 % w/w of said composition.

24. The pesticide composition of Claim 21, wherein said assimilable carbon-skeleton-energy component is present in a pesticide phytotoxicity-reducing amount.
25. The method of Claim 24, wherein said assimilable carbon-skeleton-energy component is from about 0.1 % to about 20 % w/w of said composition.
26. The method of Claim 21, further comprising adding a macronutrient component.
27. The method of Claim 21, further comprising adding a micronutrient component.
28. The method of Claim 21, further comprising adding a vitamin/cofactor component.
29. The method of Claim 21, further comprising adding a complexing agent.
30. A method comprising applying an assimilable carbon energy component/pesticide composition prepared according to Claim 21 to a plant.
31. The method of Claim 30, wherein said method results in a reduction of the phytotoxicity of said pesticide.
32. A method comprising packaging a pesticide, assimilable carbon energy component and instructions for how to apply said pesticide and said assimilable carbon energy component to a plant to reduce the phytotoxicity of said pesticide.
33. The method of Claim 32, wherein method comprises combining said pesticide and said assimilable carbon energy component together prior to said packaging step.
34. The method of Claim 32, further comprising receiving said packaged pesticide, assimilable carbon energy component and said instructions and combining said pesticide and said assimilable carbon energy component together according to said instructions.

35. A kit comprising:
- (a) a pesticide, and
  - (b) instructions for combining said pesticide with an assimilable carbon energy component to provide an assimilable carbon energy component/pesticide composition.
36. The kit of Claim 35, further comprising an assimilable carbon energy component.
37. A kit comprising:
- (a) an assimilable carbon energy component, and
  - (b) instructions for combining said assimilable carbon energy component with a pesticide to provide an assimilable carbon energy component/pesticide composition.